20020124207

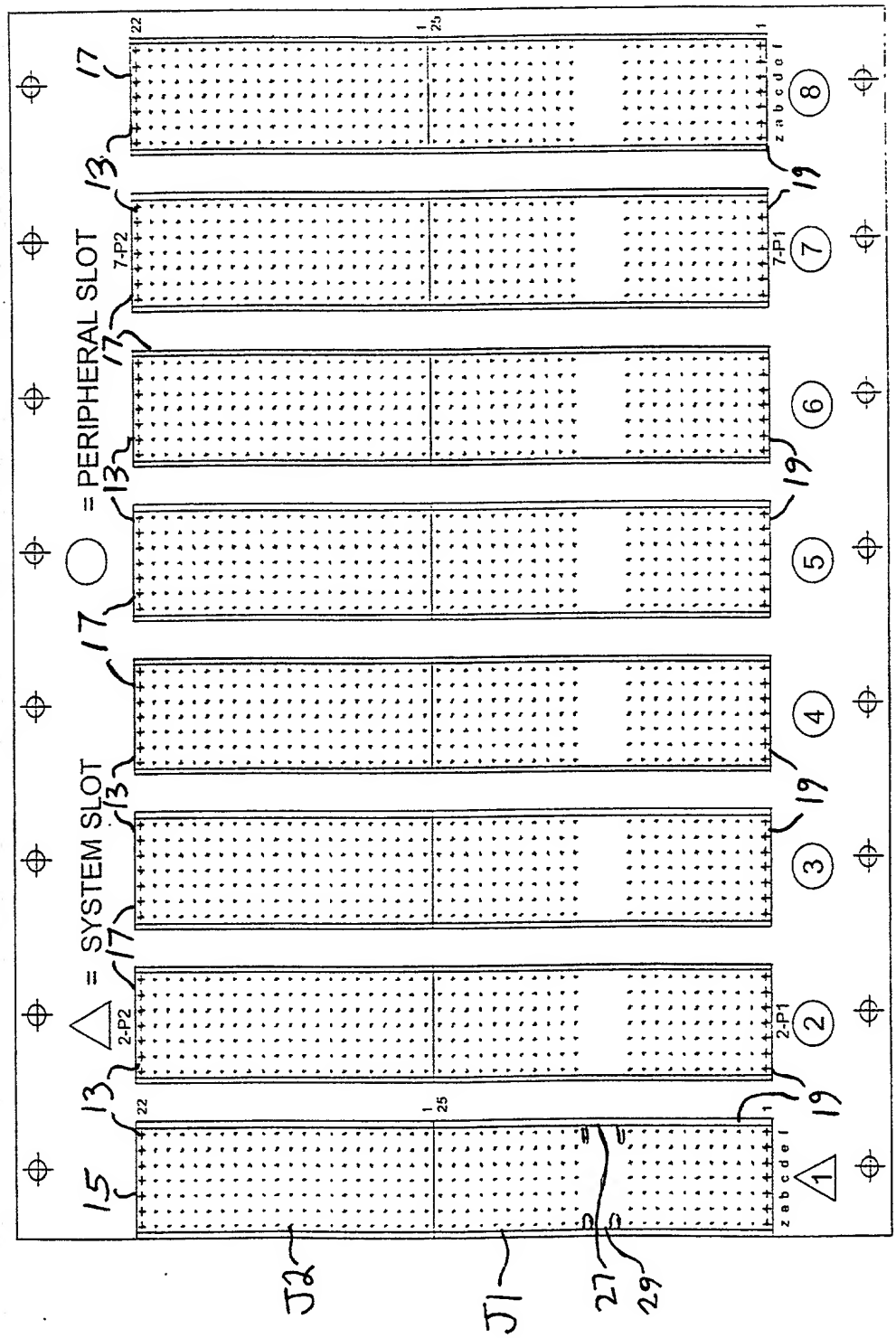


FIG. 1 (PRIOR ART)

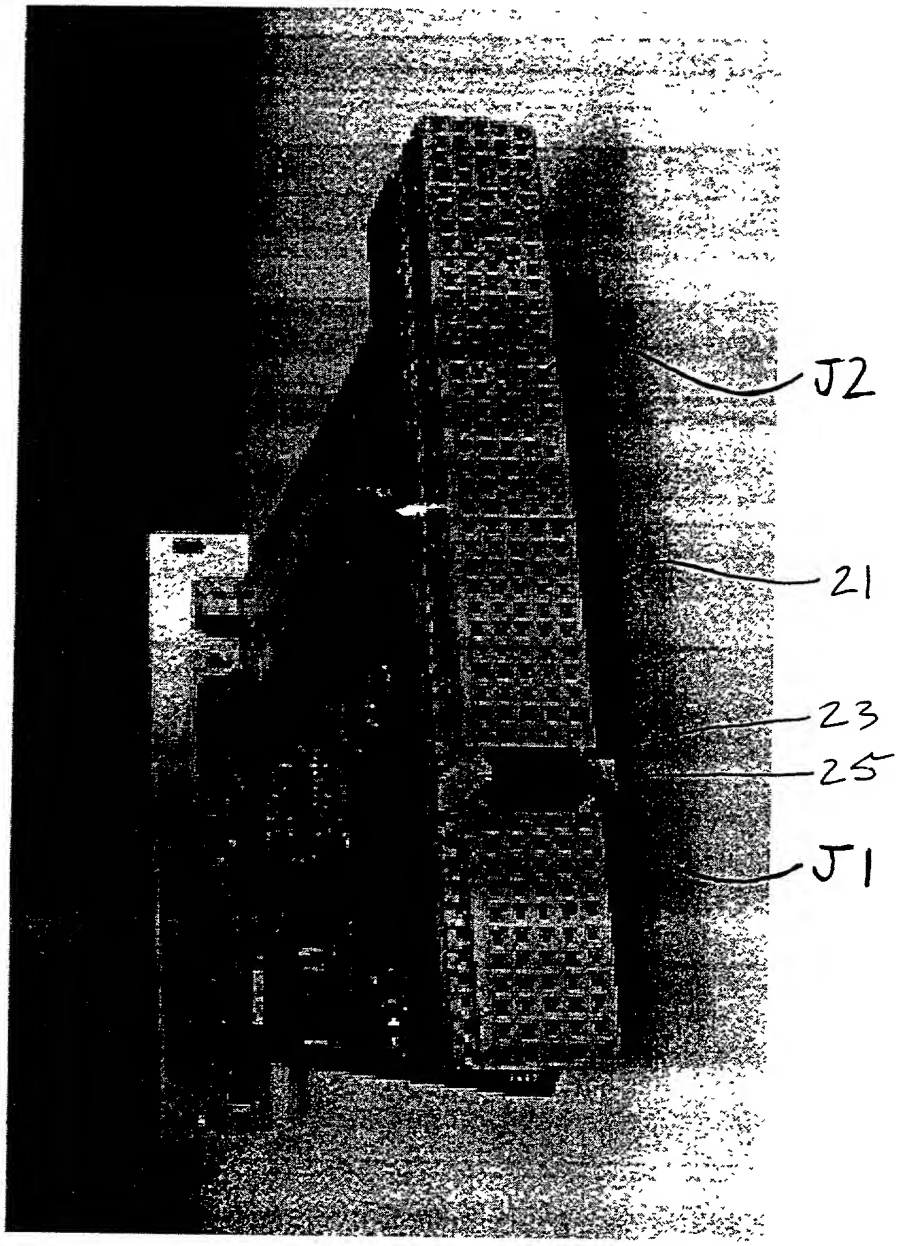


FIG. 2 (Prior Art)

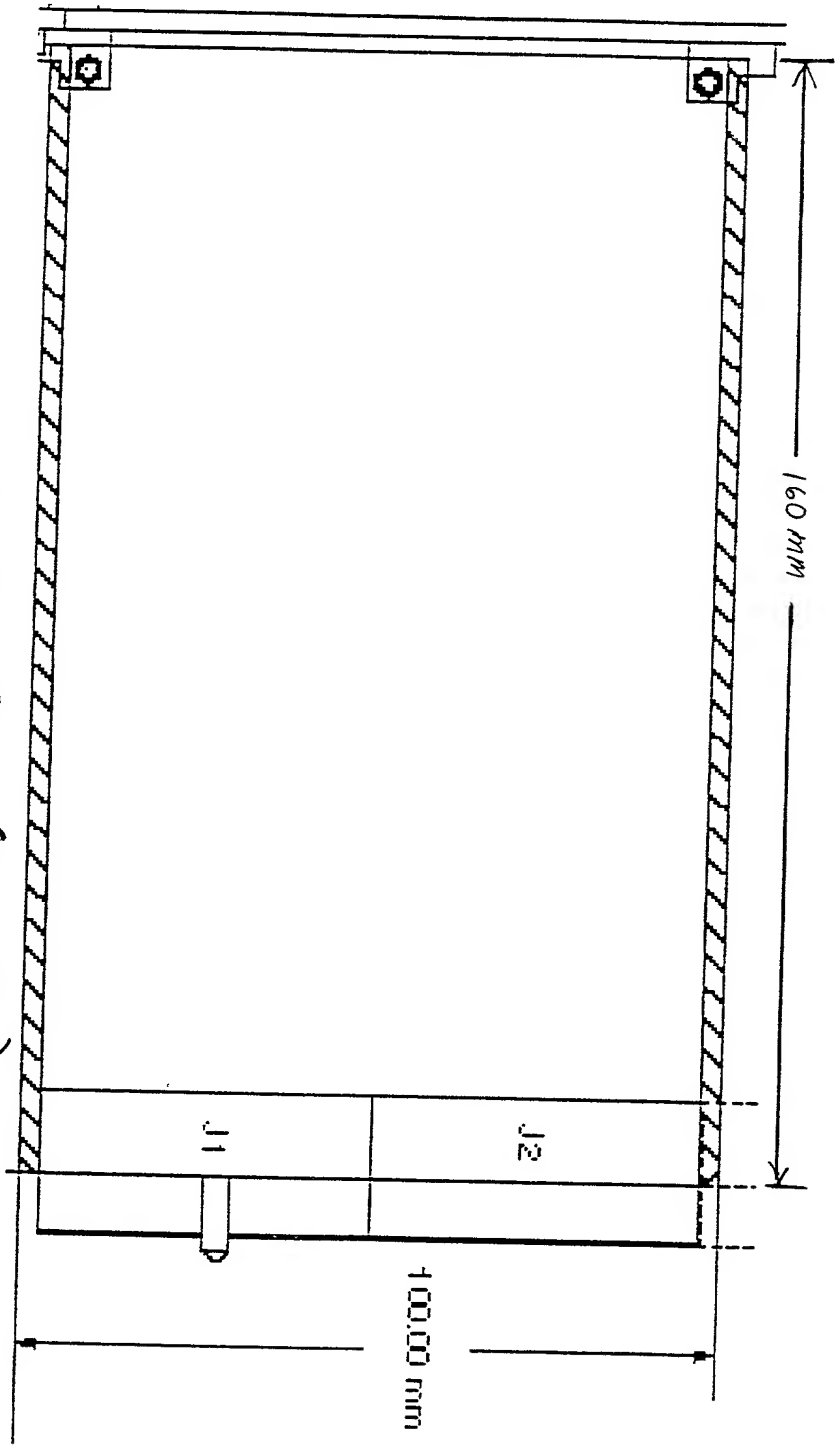


FIG. 3 (Prior Art)

Google Exhibit 1007

25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND	
24	GND	AD[1]	5V	V(I/O)	AD[0]	ACK64#	GND	
23	GND	3.3V	AD[4]	AD[3]	5V	AD[2]	GND	J1
22	GND	AD[7]	GND	3.3V	AD[6]	AD[5]	GND	
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND	
20	GND	AD[12]	GND	V(I/O)	AD[11]	AD[10]	GND	C
19	GND	3.3V	AD[15]	AD[14]	GND	AD[13]	GND	
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND	O
17	GND	3.3V	SDONE	SBO#	GND	PERR#	GND	
16	GND	DEVSEL#	GND	V(I/O)	STOP#	LOCK#	GND	N
15	GND	3.3V	FRAME#	IRDY#	GND	TRDY#	GND	
12-14	KEY AREA							N
11	GND	AD[18]	AD[17]	AD[16]	GND	C/BE[2]#	GND	
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND	E
9	GND	C/BE[3]#	IDSEL	AD[23]	GND	AD[22]	GND	
8	GND	AD[26]	GND	V(I/O)	AD[25]	AD[24]	GND	C
7	GND	AD[30]	AD[29]	AD[28]	GND	AD[27]	GND	
6	GND	REQ#	GND	3.3V	CLK	AD[31]	GND	T
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND	GNT#	GND	
4	GND	BRSVP1A4	GND	V(I/O)	INTP	INTS	GND	O
3	GND	INTA#	INTB#	INTC#	5V	INTD#	GND	
2	GND	TCK	5V	TMS	TDO	TDI	GND	R
1	GND	5V	-12V	TRST#	+12V	5V	GND	
Pin	Z	A	B	C	D	E	F	

FIG. 4

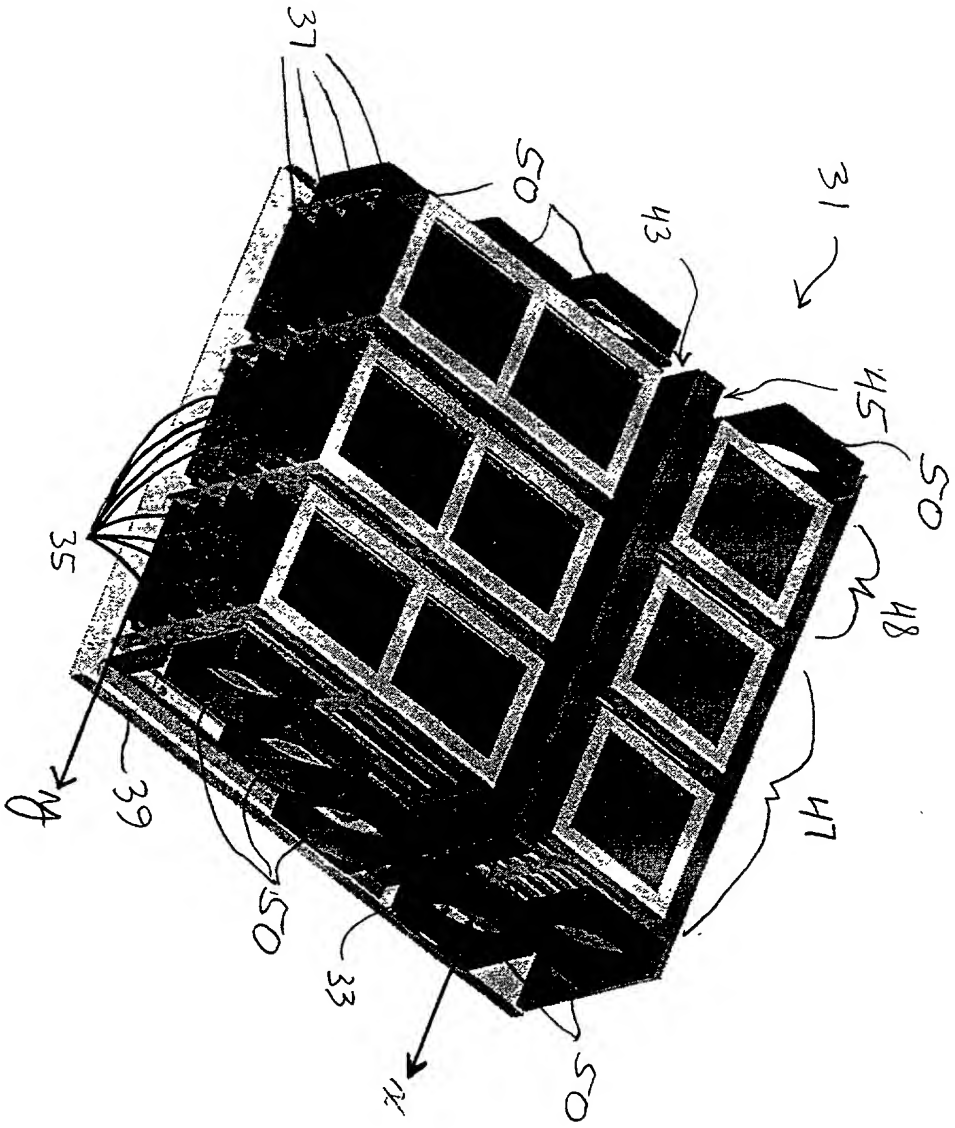


FIG. 5

20020150 - 10038493

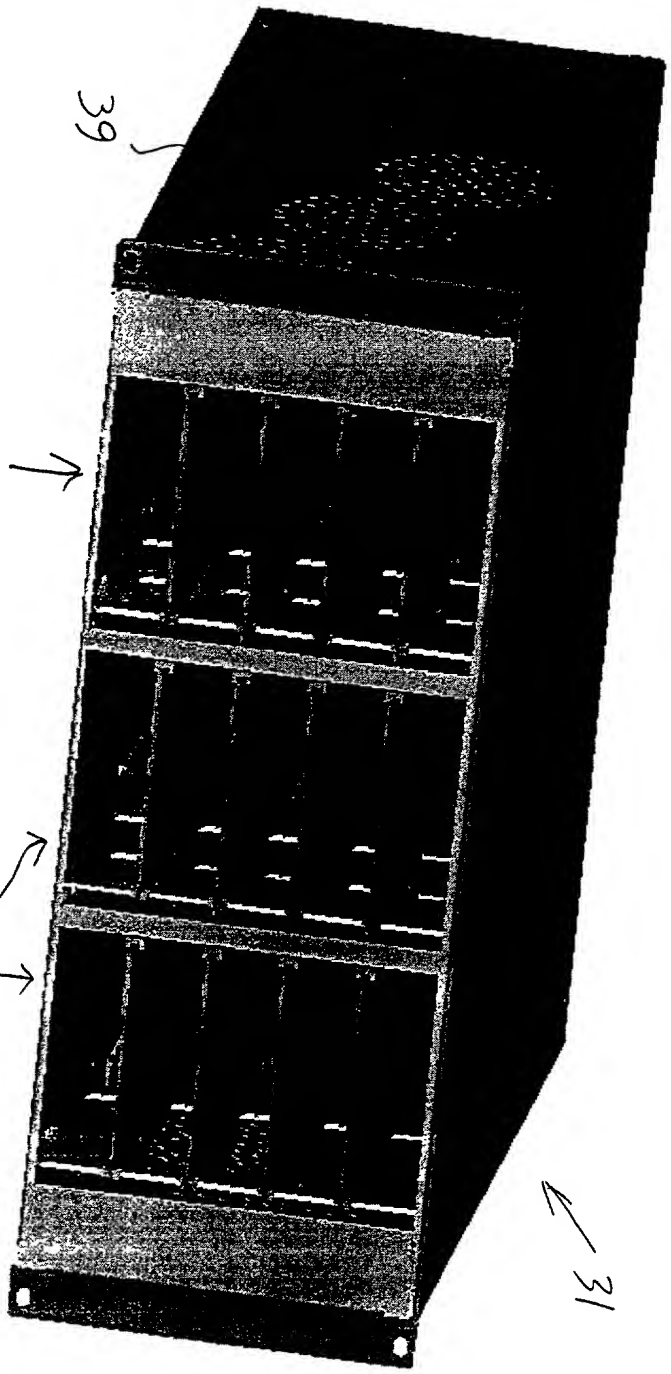
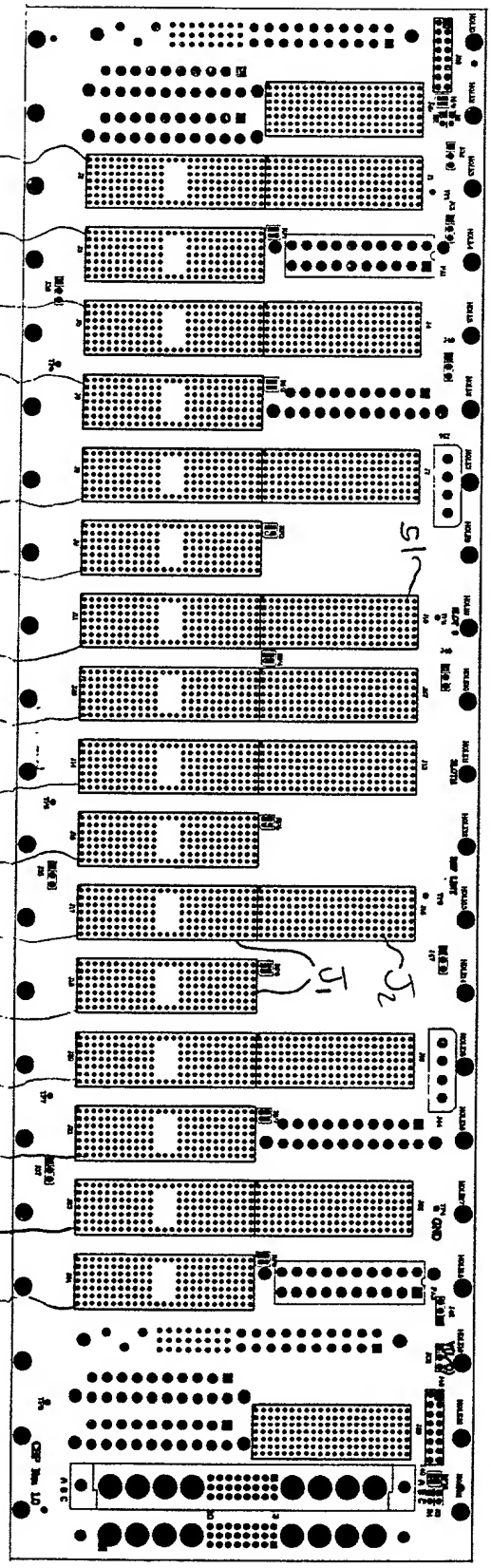


FIG. 6

20050077 "E5442E01"


49
49
49

25	GND	5V	3.3V	ENUM#	REQ64#	5V	GND	
24	GND	ACK64#	AD[0]	V(I/O)	5V	AD[1]	GND	
23	GND	AD[2]	5V	AD[3]	AD[4]	3.3V	GND	J1
22	GND	AD[5]	AD[6]	3.3V	GND	AD[7]	GND	
21	GND	C/BE[0]#	M66EN	AD[8]	AD[9]	3.3V	GND	
20	GND	AD[10]	AD[11]	V(I/O)	GND	AD[12]	GND	C
19	GND	AD[13]	GND	AD[14]	AD[15]	3.3V	GND	
18	GND	C/BE[1]#	PAR	3.3V	GND	SERR#	GND	O
17	GND	PERR#	GND	SBO#	SDONE	3.3V	GND	
16	GND	LOCK#	STOP#	V(I/O)	GND	DEVSEL#	GND	N
15	GND	TRDY#	GND	IRDY#	FRAME #	3.3V	GND	
12-14	KEY AREA							N
11	GND	C/BE[2]#	GND	AD[16]	AD[17]	AD[18]	GND	E
10	GND	AD[19]	AD[20]	3.3V	GND	AD[21]	GND	
9	GND	AD[22]	GND	AD[23]	IDSEL	C/BE[3]#	GND	C
8	GND	AD[24]	AD[25]	V(I/O)	GND	AD[26]	GND	
7	GND	AD[27]	GND	AD[28]	AD[29]	AD[30]	GND	T
6	GND	AD[31]	CLK	3.3V	GND	REQ#	GND	
5	GND	GNT#	GND	RST#	BRSVP1 B5	BRSVP1A 5	GND	O
4	GND	INTS	INTP	V(I/O)	GND	BRSVP1A 4	GND	R
3	GND	INTD#	5V	INTC#	INTB#	INTA#	GND	
2	GND	TDI	TDO	TMS	5V	TCK	GND	
1	GND	5V	+12V	TRST#	-12V	5V	GND	
Pin	F	E	D	C	B	A	Z	

FIG.8

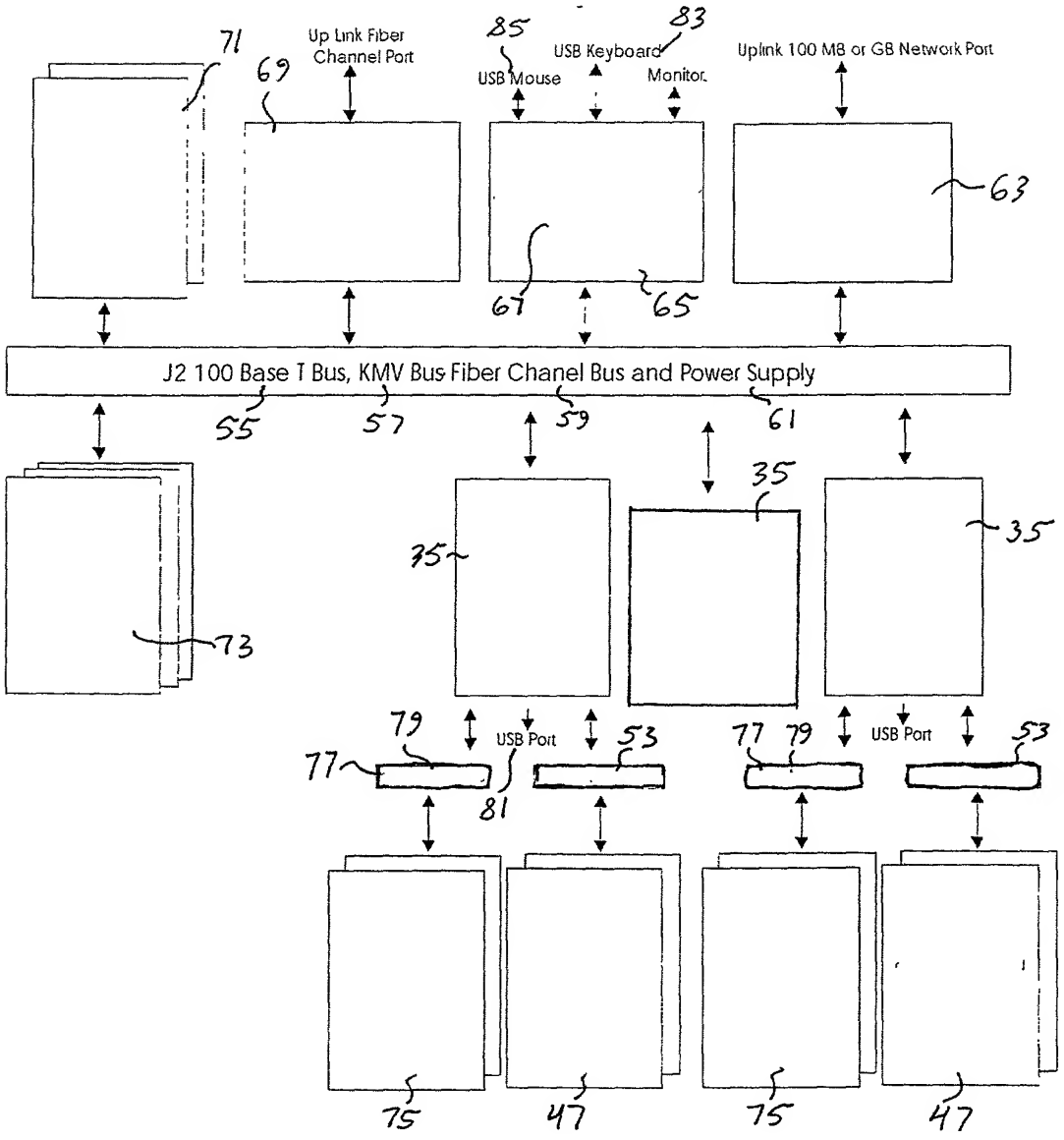

71
Up Link Fiber Channel Port
69
85
USB Mouse
83
USB Keyboard
Monitor
Uplink 100 MB or GB Network Port
63
67
65
J2 100 Base T Bus, KMV Bus Fiber Chanel Bus and Power Supply
55
57
59
61
35
35
35
73
79
USB Port
53
77
81
77
79
USB Port
53
75
47
75
47

FIG. 9

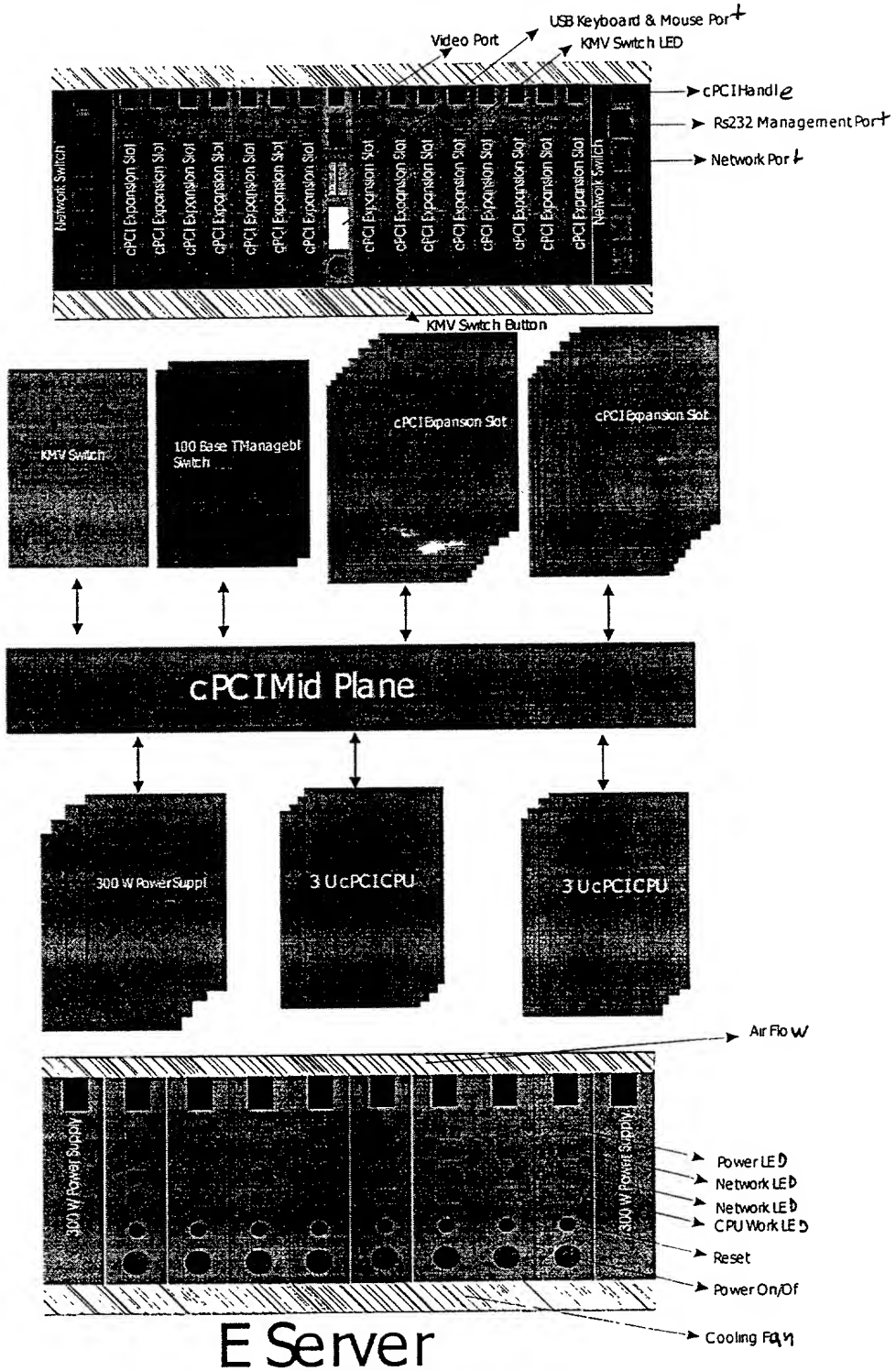

USB Keyboard & Mouse Port
Video Port
KMV Switch LED
cPCI Handle
Rs232 Management Port
Network Port
Network Switch
cPCI Expansion Slot
KMV Switch Button
KMV Switch
100 Base TManageble Switch
cPCI Expanson Slot
cPCI Expansion Slot
cPCIMid Plane
300 W PowerSuppl
3 UcPCICPU
3 UcPCICPU
Air Flow
300 W Power Supply
Power LED
Network LED
Network LED
CPU Work LED
Reset
Power On/Of
Cooling Fan
E Server

FIG. 10

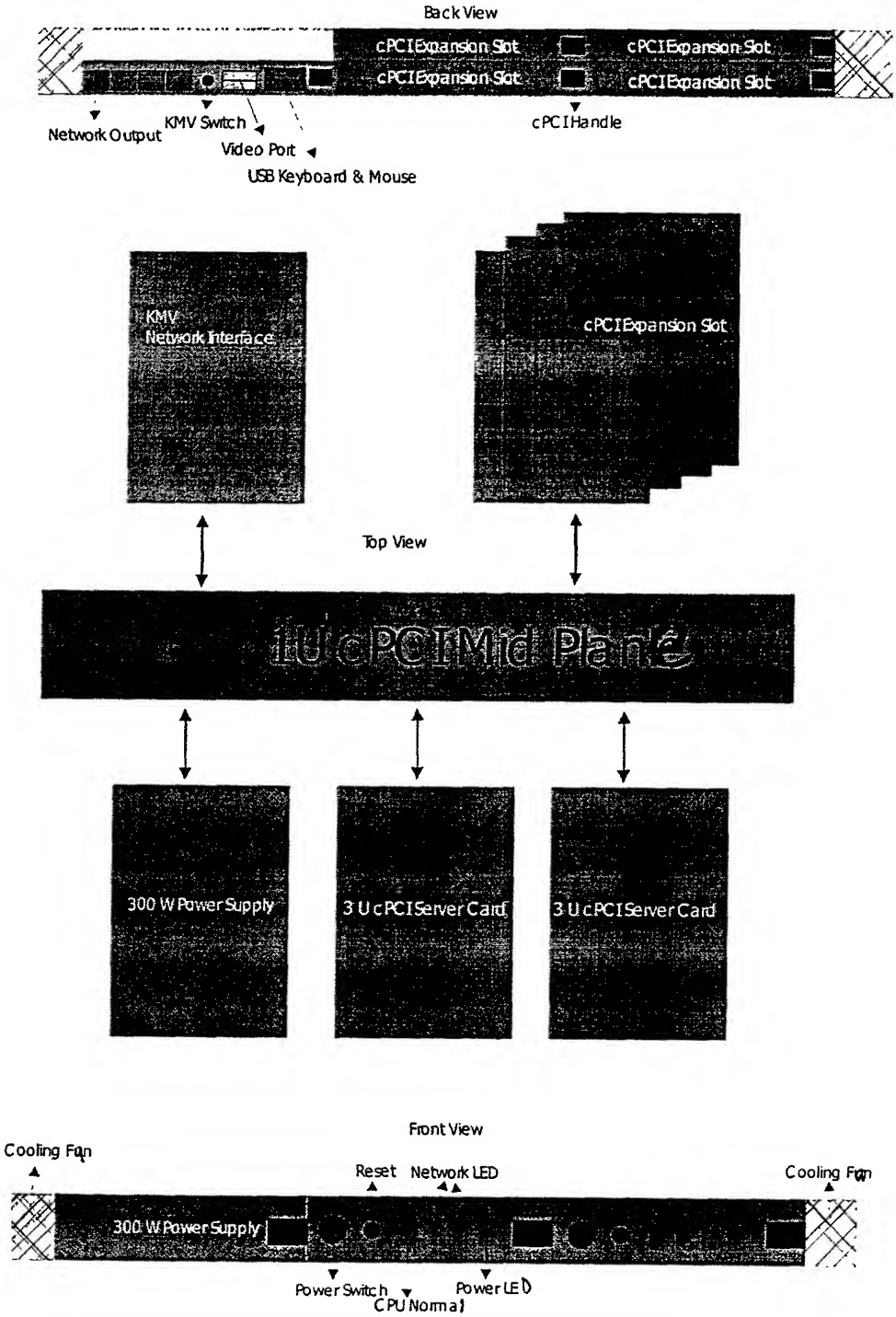

Back View
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Expansion Slot
Network Output
KMV Switch
Video Port
USB Keyboard & Mouse
cPCI Handle
KMV
Network Interface
cPCI Expansion Slot
Top View
iU cPCI Mid Plane
300 W Power Supply
3 U cPCI Server Card
3 U cPCI Server Card
Front View
Cooling Fan
Reset
Network LED
Cooling Fan
300 W Power Supply
Power Switch
Power LED
CPU Normal

FIG. 11

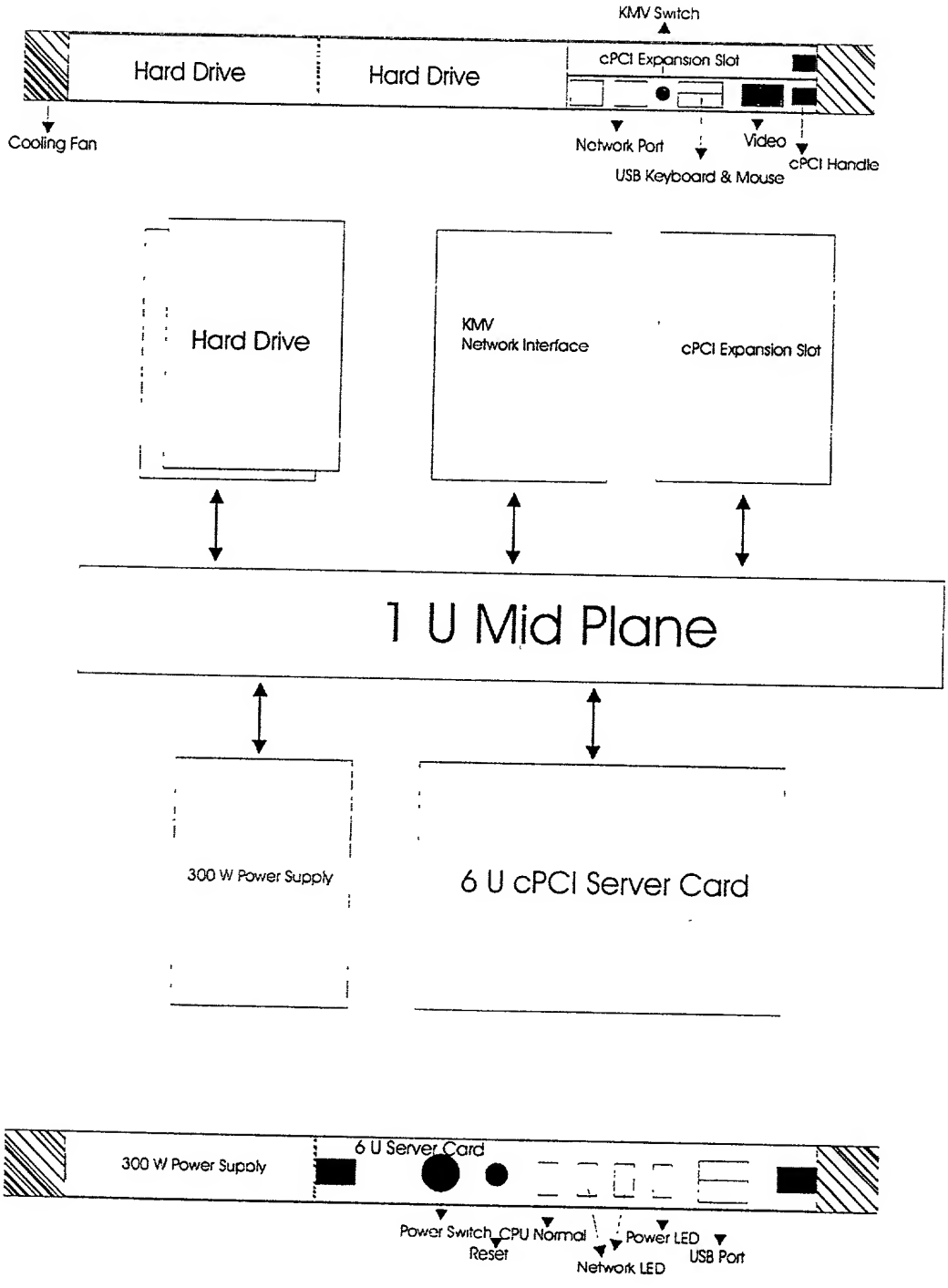

KMV Switch
Hard Drive
Hard Drive
cPCI Expansion Slot
Cooling Fan
Network Port
Video
USB Keyboard & Mouse
cPCI Handle
Hard Drive
KMV
Network Interface
cPCI Expansion Slot
1 U Mid Plane
300 W Power Supply
6 U cPCI Server Card
300 W Power Supply
6 U Server Card
Power Switch
Reset
CPU Normal
Network LED
Power LED
USB Port

FIG. 12

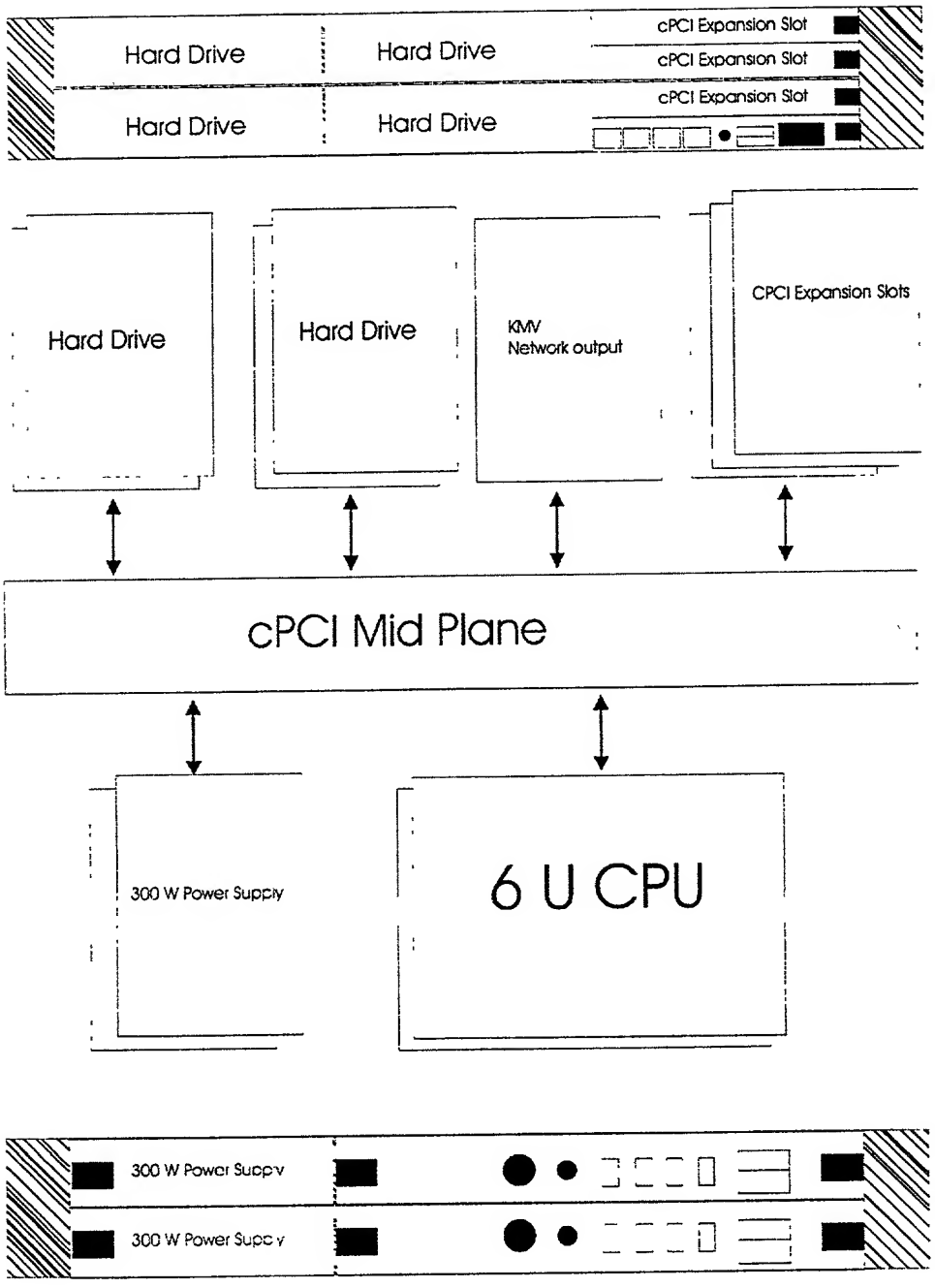

Hard Drive
Hard Drive
Hard Drive
Hard Drive
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Expansion Slot
Hard Drive
Hard Drive
KMV
Network output
CPCI Expansion Slots
cPCI Mid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
300 W Power Supply

FIG. 13

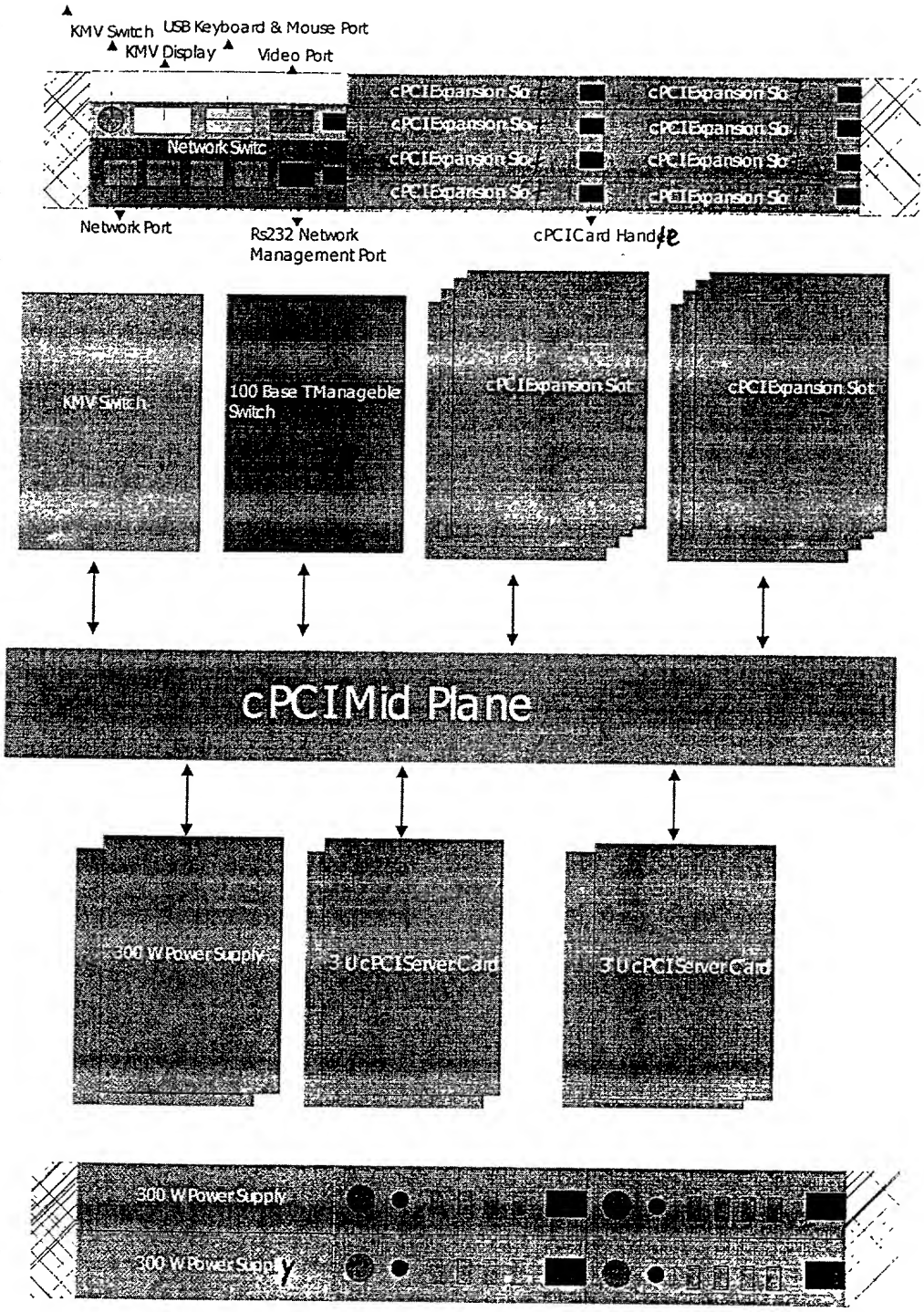

KMV Switch
USB Keyboard & Mouse Port
KMV Display
Video Port
cPCI Expansion Slot
Network Switc
Network Port
Rs232 Network Management Port
cPCI Card Handle
KMV Switch
100 Base TManageble Switch
cPCI Expansion Slot
cPCI Expansion Slot
cPCI Mid Plane
300 W Power Supply
3 U cPCI Server Card
3 U cPCI Server Card
300 W Power Supply
300 W Power Supply

FIG. 14

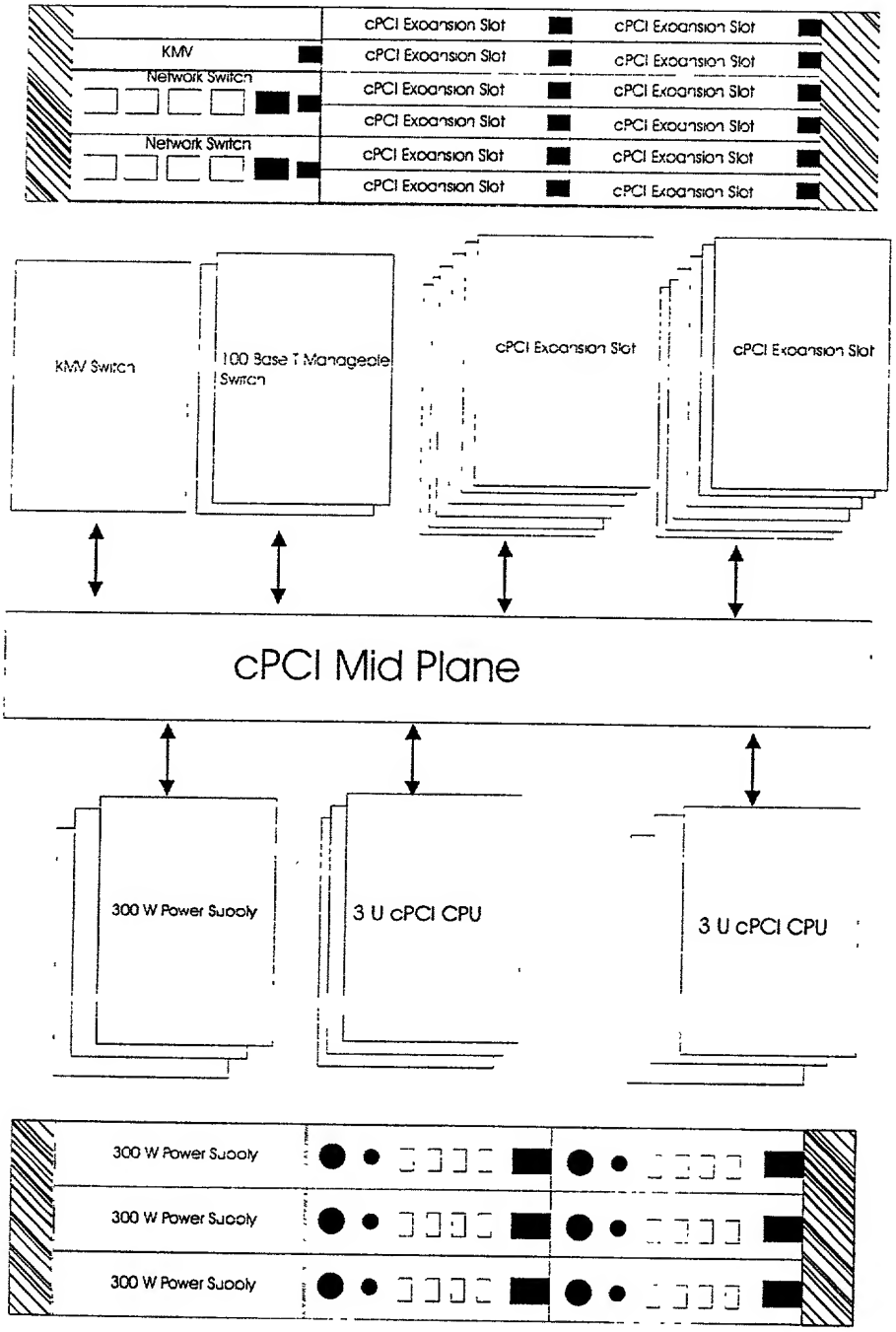

cPCI Expansion Slot
KMV
Network Switch
Network Switch
KMV Switch
100 Base T Manageable Switch
cPCI Mid Plane
300 W Power Supply
3 U cPCI CPU
3 U cPCI CPU
300 W Power Supply
300 W Power Supply
300 W Power Supply

FIG. 15

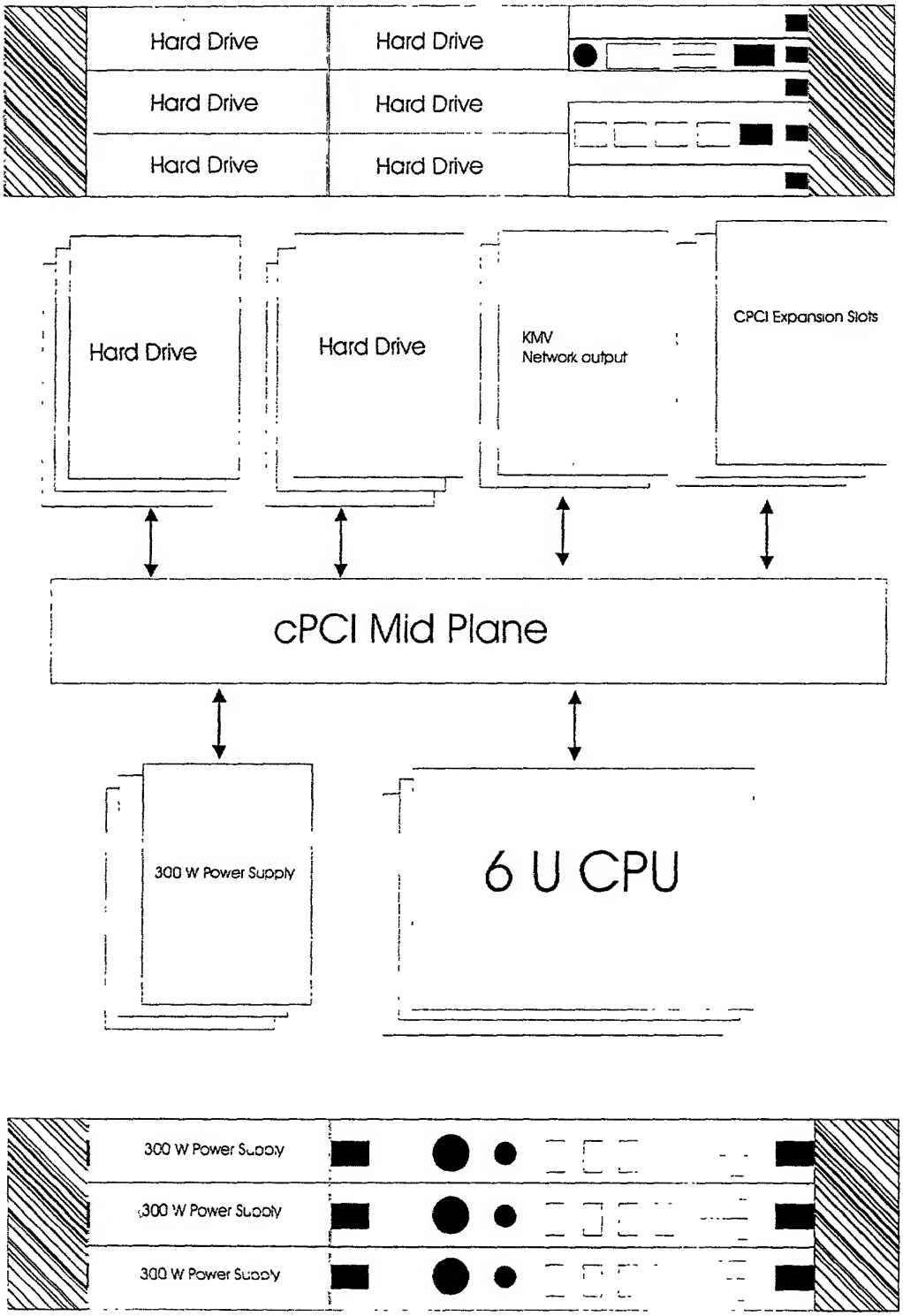

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
KMV
Network output
CPCI Expansion Slots
cPCI Mid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
300 W Power Supply
300 W Power Supply

FIG. 16

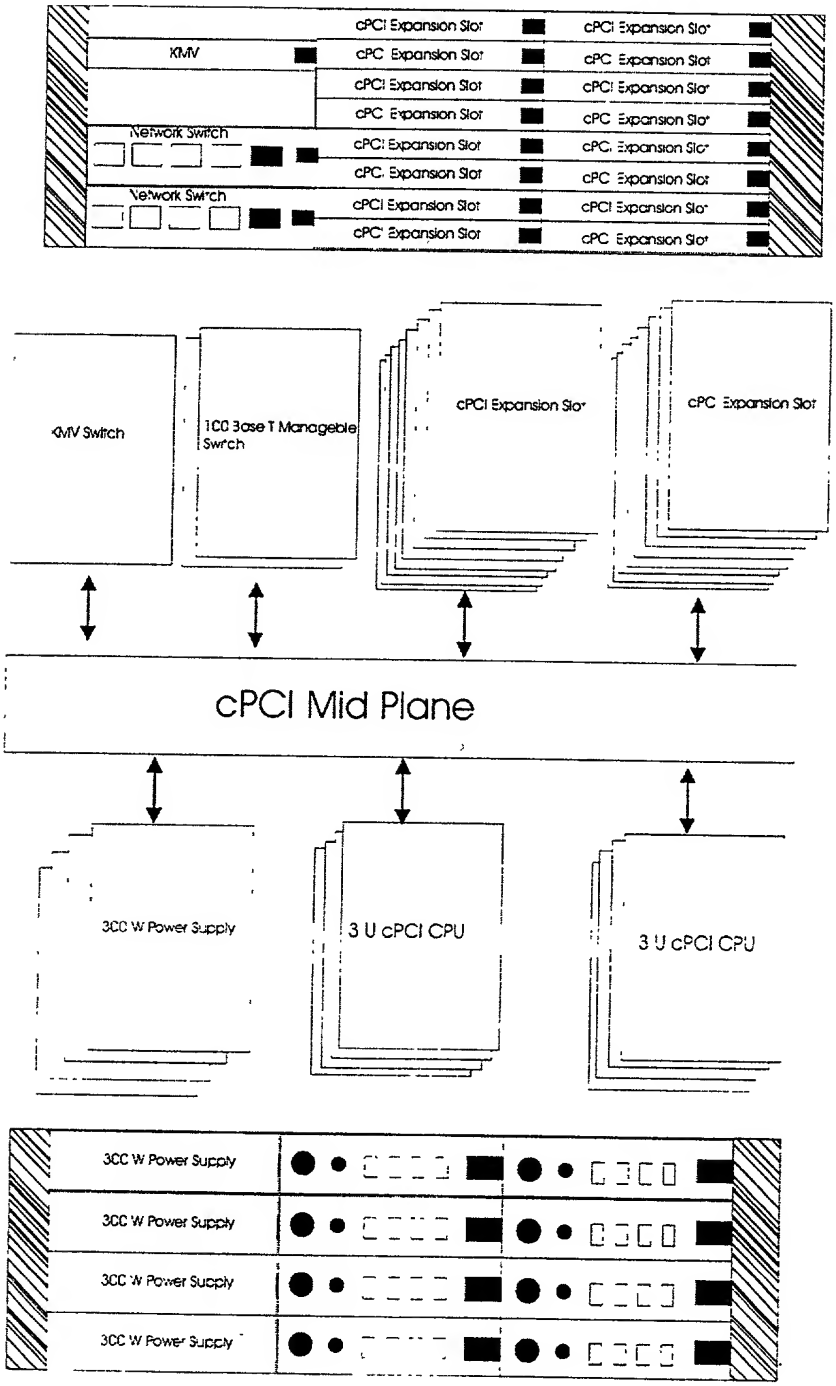

cPCI Expansion Slot
KMV
Network Switch
Network Switch
KMV Switch
100 Base T Manageble Switch
cPCI Mid Plane
300 W Power Supply
3 U cPCI CPU
3 U cPCI CPU
300 W Power Supply
300 W Power Supply
300 W Power Supply
300 W Power Supply

FIG. 17

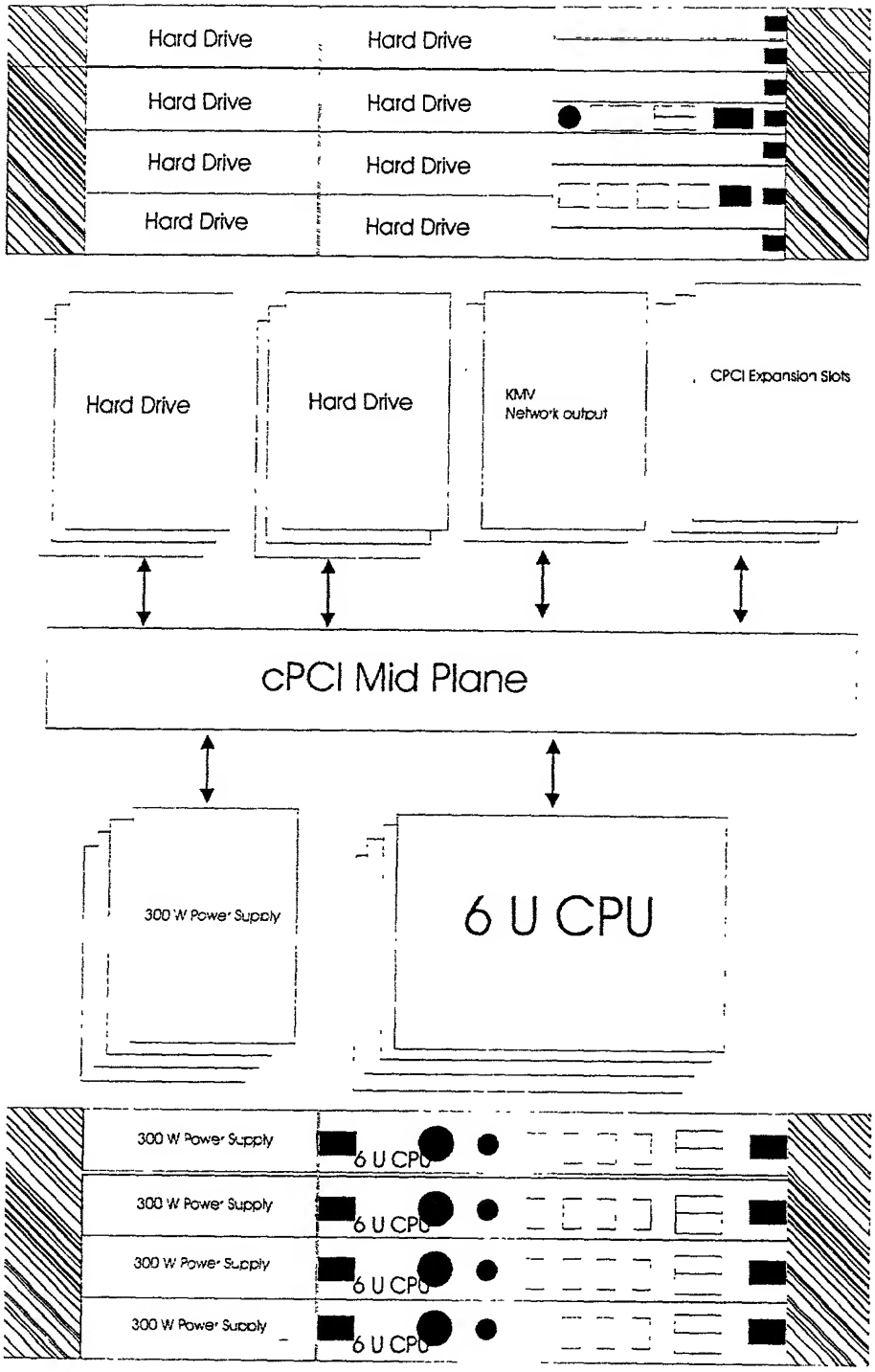

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
KMV
Network output
CPCI Expansion Slots
cPCI Mid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU

FIG. 18

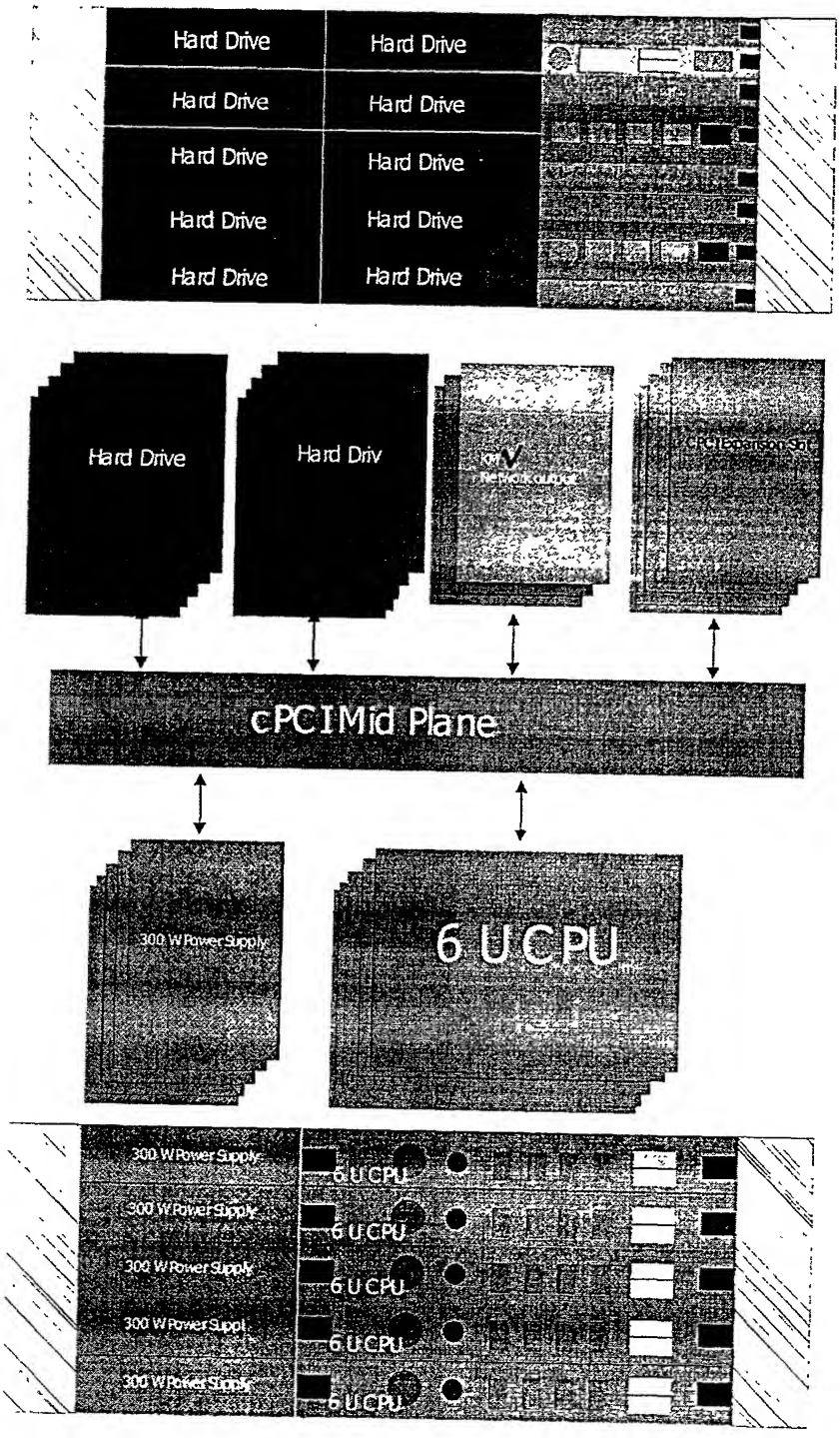

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Driv
cPCIMid Plane
300 W Power Supply
6 U CPU
300 W Power Supply
300 W Power Supply
300 W Power Supply
300 W Power Supply
300 W Power Supply
6 U CPU
6 U CPU
6 U CPU
6 U CPU
6 U CPU

FIG. 19

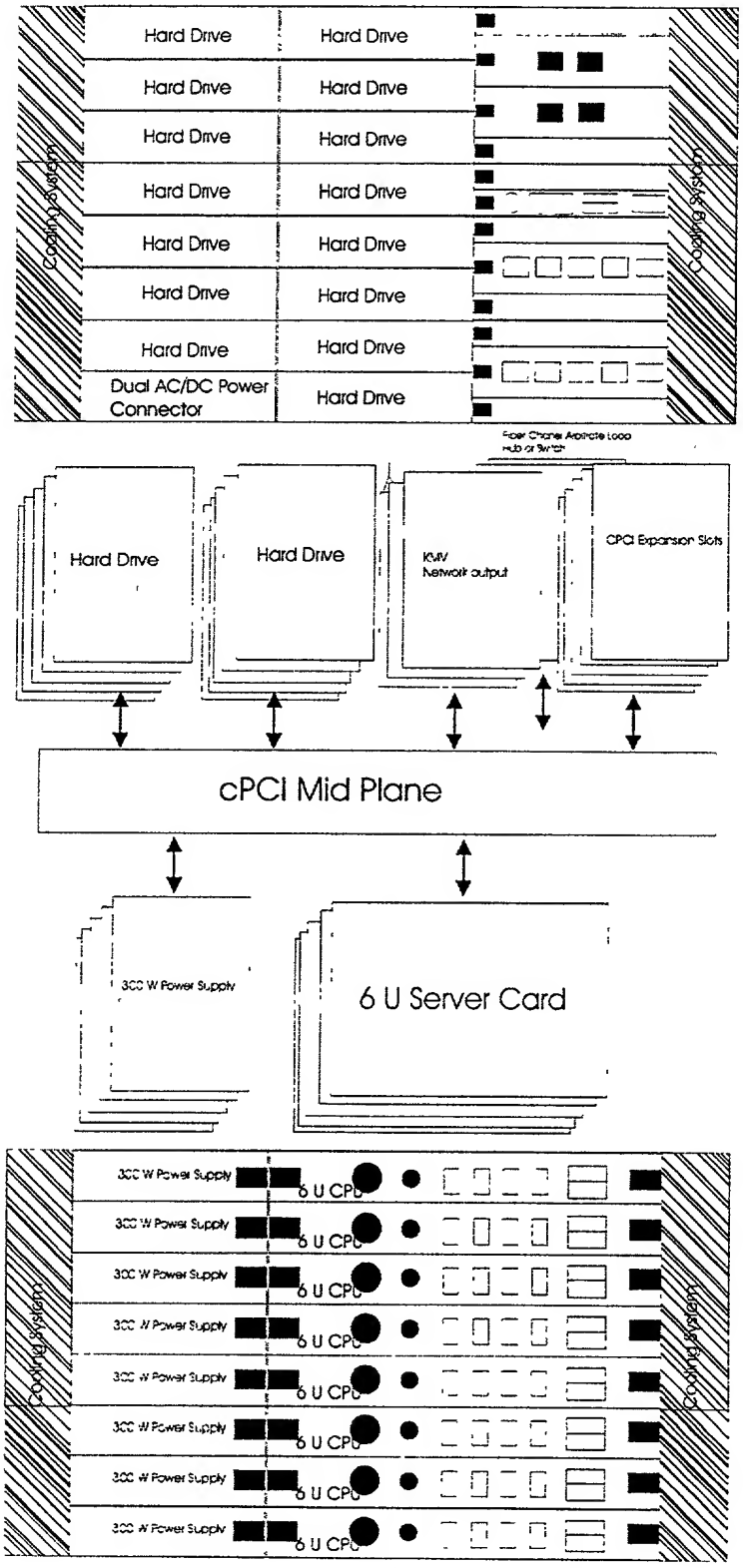
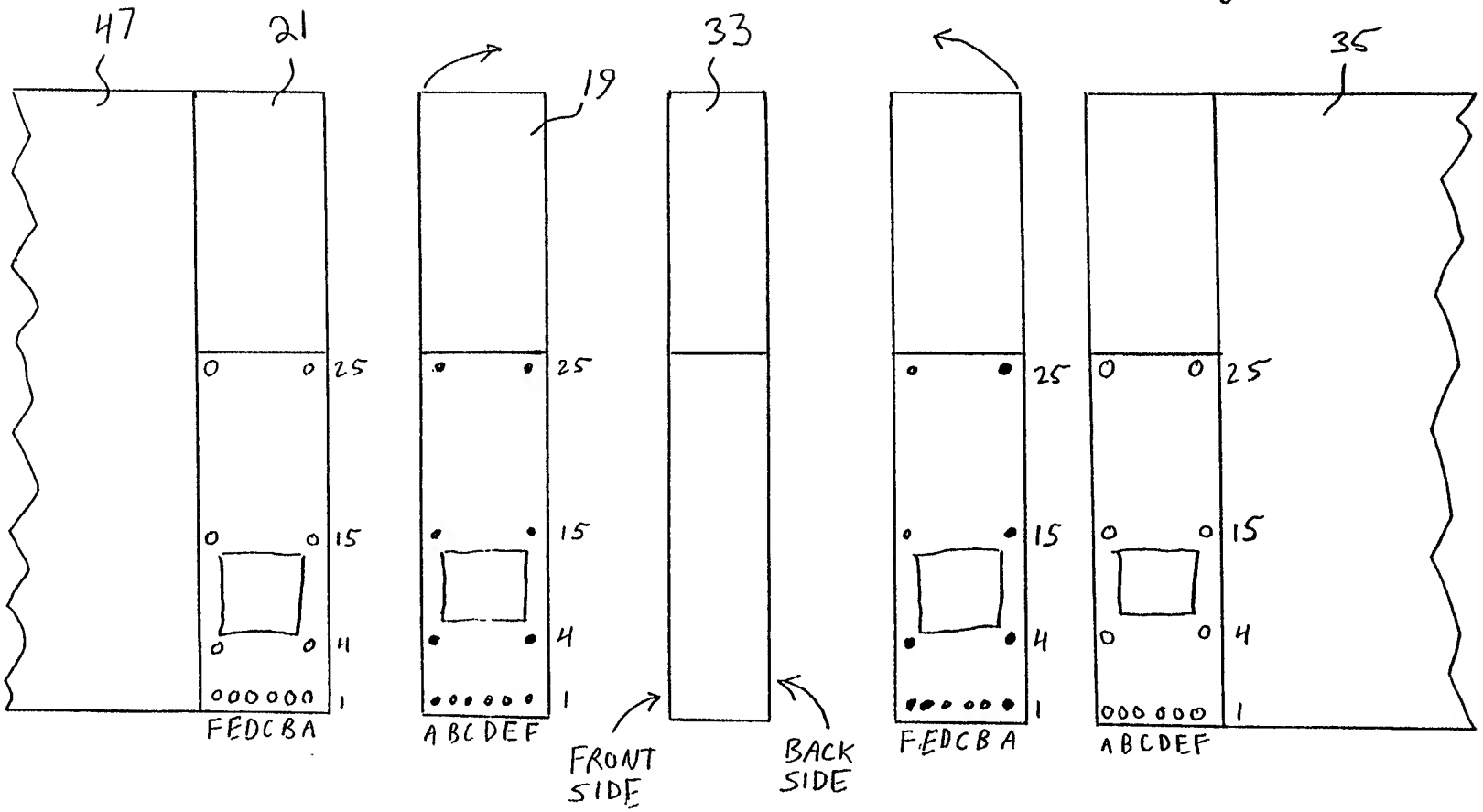

Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Hard Drive
Dual AC/DC Power Connector
Hard Drive
Cooling System
Cooling System
Hard Drive
Hard Drive
KVM
Network output
CPCI Expansion Slots
cPCI Mid Plane
300 W Power Supply
6 U Server Card
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
300 W Power Supply
6 U CPU
Cooling System
Cooling System

FIG. 20

Fig. 21



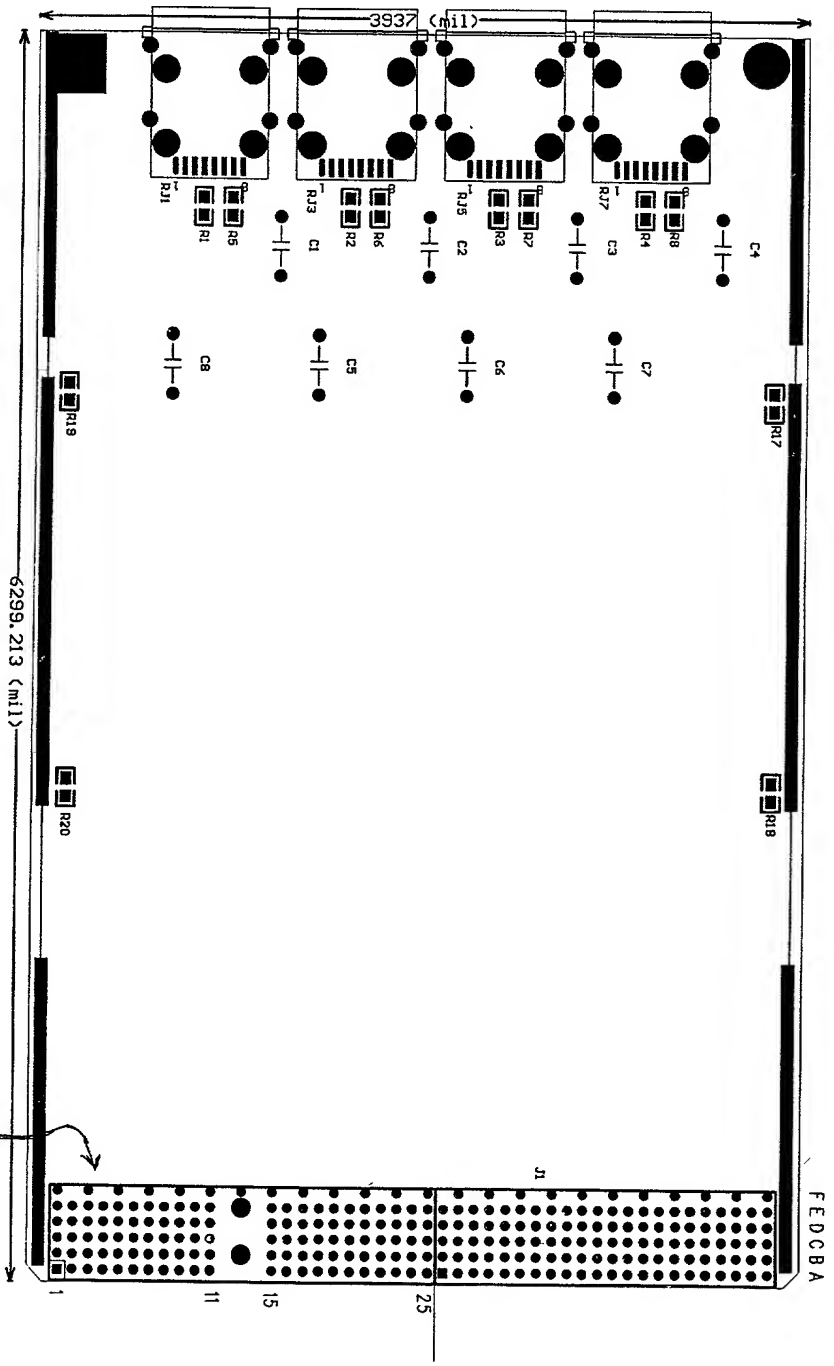


Fig. 22

63 21

20030133 "Published"

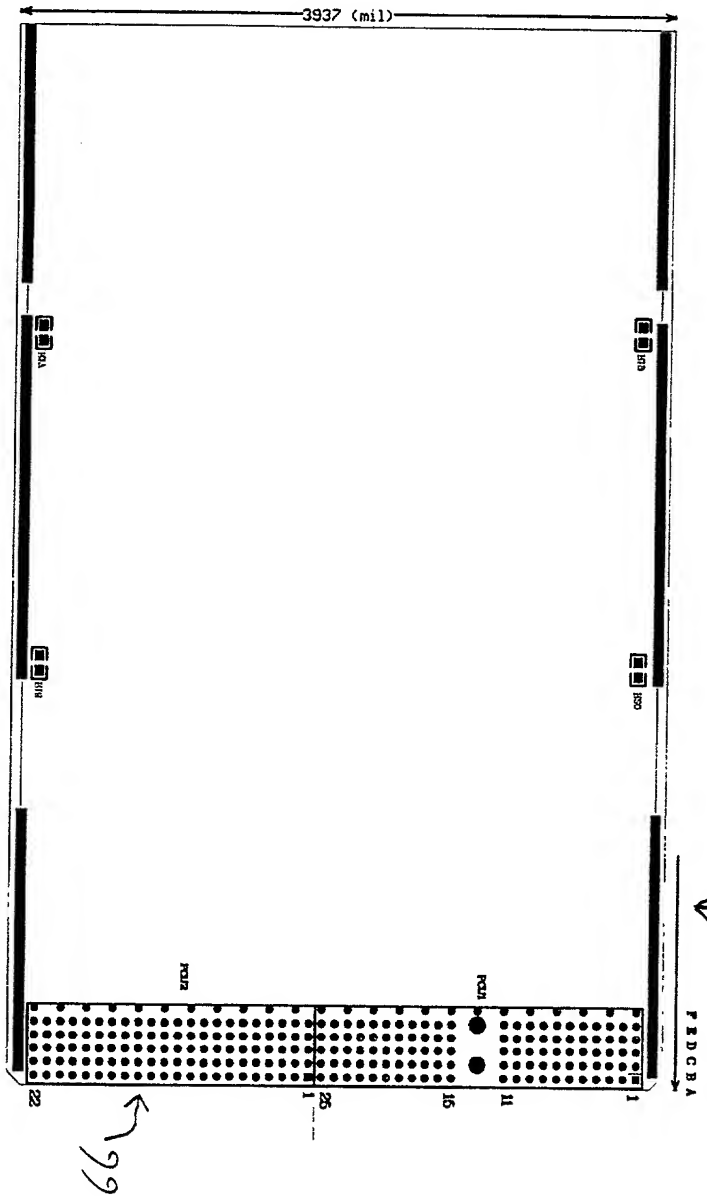


Fig. 23

20030179 "Express Mail"

22	GND	GND	GND	GND	GND	GND	GND	
21	GND	?3	GND	?18	?24	SMBDAT	GND	
20	GND	?2	?7	?17	GND	SMCLK	GND	J2
19	GND	GND	GND	?15	?22	CUV1+	GND	
18	GND	MDCLK	?5	?14	GND	GND	GND	
17	GND	GND	GND	?13	?21	CUV1-	GND	C
16	GND	MDDAT	MVSYNC	?12	GND	GND	GND	
15	GND	GND	GND	?11	?20	?28	GND	O
14	GND	RSTSW#	MHSYNC	VCC5IN	GND	?27	GND	
13	GND	GND	GND	VIO	ER1+	GND	GND	N
12	GND	CUV0-	MB	VCC5IN	GND	ER2+	GND	
11	GND	GND	GND	VIO	ER1-	GND	GND	N
10	GND	CUV0+	MG	VCC5IN	GND	ER2-	GND	
9	GND	GND	GND	VIO	ET1+	GND	GND	E
8	GND	MUSDATA	MR	VCC5IN	GND	ET2+	GND	
7	GND	GND	GND	VIO	ET1-	GND	GND	C
6	GND	MUSCLK	?10	VCC5IN	GND	ET2-	GND	
5	GND	GND	?9	VIO	?26	GND	GND	T
4	GND	VIO	?8	VCC5IN	GND	CUV3-	GND	
3	GND	?4	GND	?19	?25	GND	GND	O
2	GND	?1	?6	?16	?23	CUV3+	GND	
1	GND	PCICLK4	GND	PREQ#3	PGNT#3	GND	GND	R
Pin	Z	A	B	C	D	E	F	

FIG. 24